

Figure 1. Functional view of traditional web server farm.

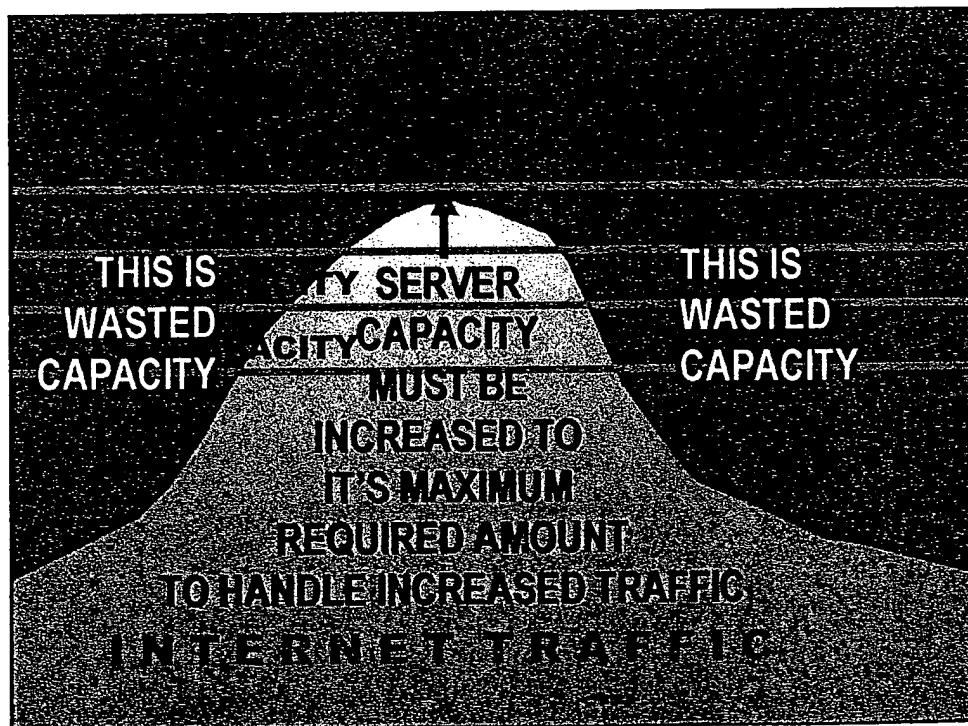


Figure 2

The diagram illustrates the process of scaling a web application. It is divided into two main sections: a top section showing the initial state and a bottom section showing the scaling process.

Top Section: A cloud labeled "Internet" is connected to a cluster of server racks. An arrow labeled "detects increased demand" points from the Internet cloud to a central black oval. From this oval, an arrow labeled "Additional resources appear in web domain to handle increased load" points to a cluster of server racks.

Bottom Section: The same cluster of server racks is shown, but now with additional resources (represented by more racks) being added. An arrow labeled "configures additional components into domain" points from the Internet cloud to the racks. The racks are connected to a database cluster.

Figure 5

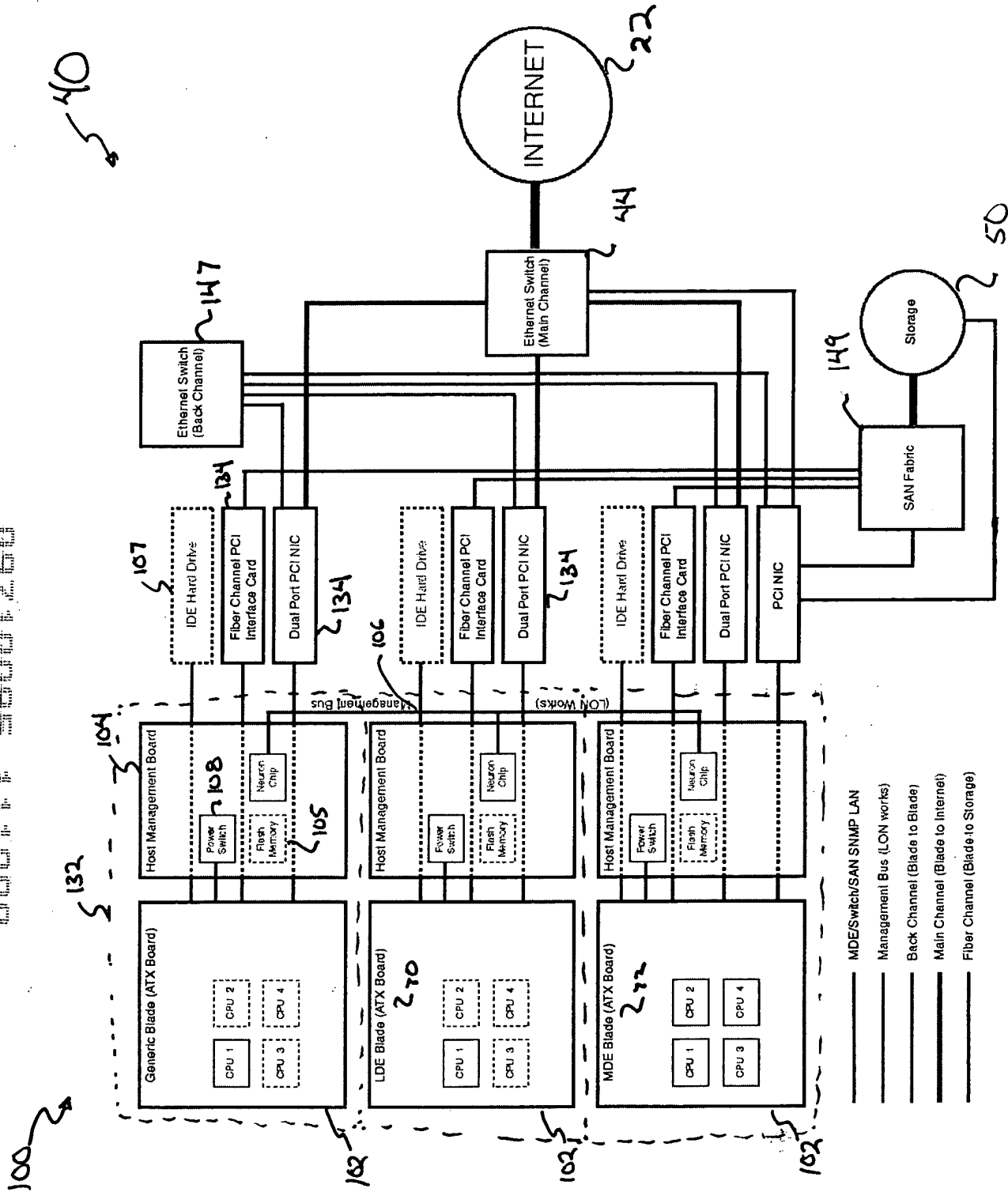


Figure 6

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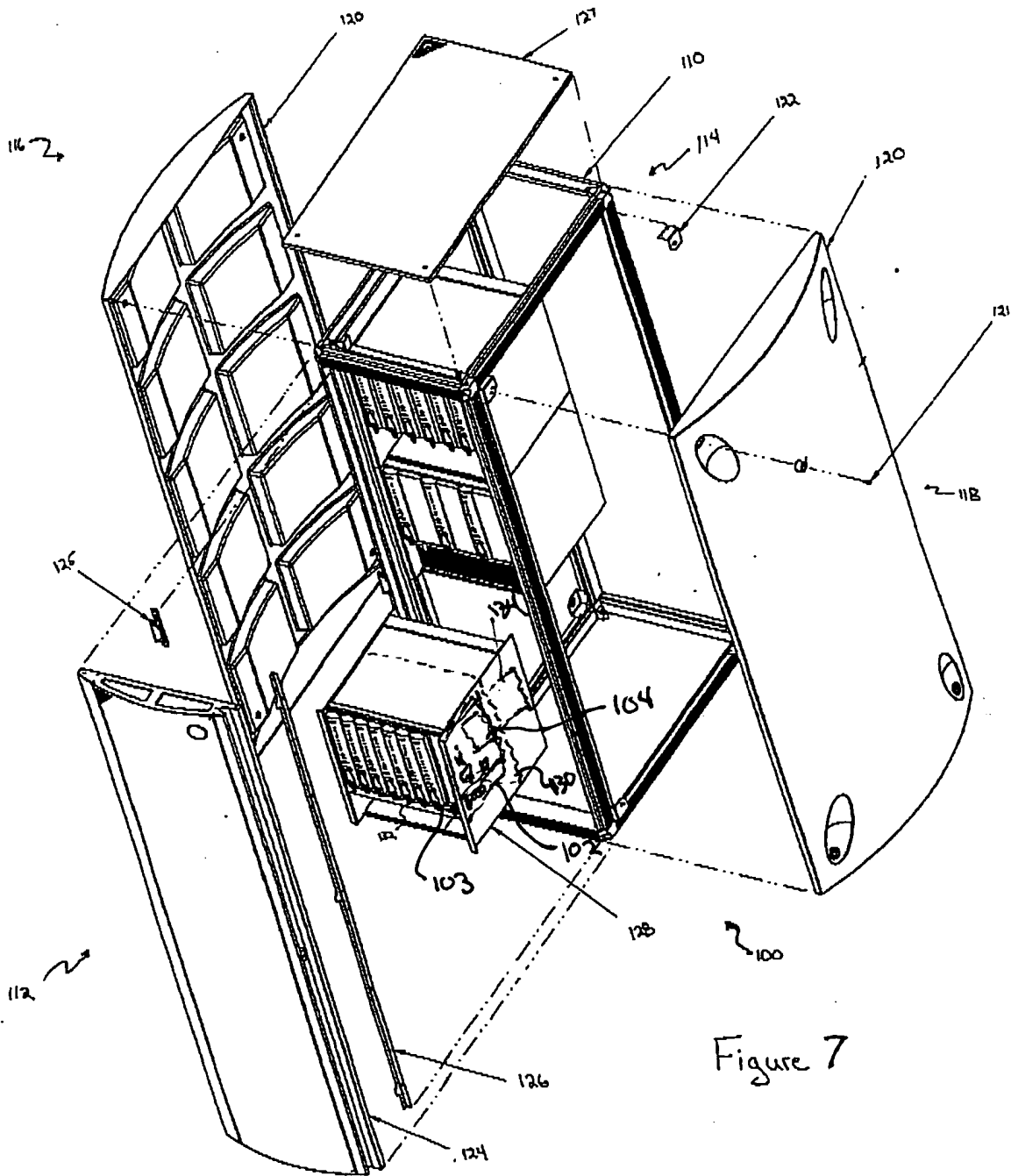


Figure 7

CUSTOMER DATA	CUSTOMER DATA	CUSTOMER DATA
WEB MANAGEMENT	WEB MANAGEMENT	WEB MANAGEMENT
CLUSTER AWARE APPLICATION	CLUSTER AWARE APPLICATION	CLUSTER AWARE APPLICATION
CLUSTER SOFTWARE	CLUSTER SOFTWARE	CLUSTER SOFTWARE
OS1 OS2 OS3	OS1 OS2 OS3	OS1 OS2 OS3
ENGINE OS	ENGINE OS	ENGINE OS

Figure 8

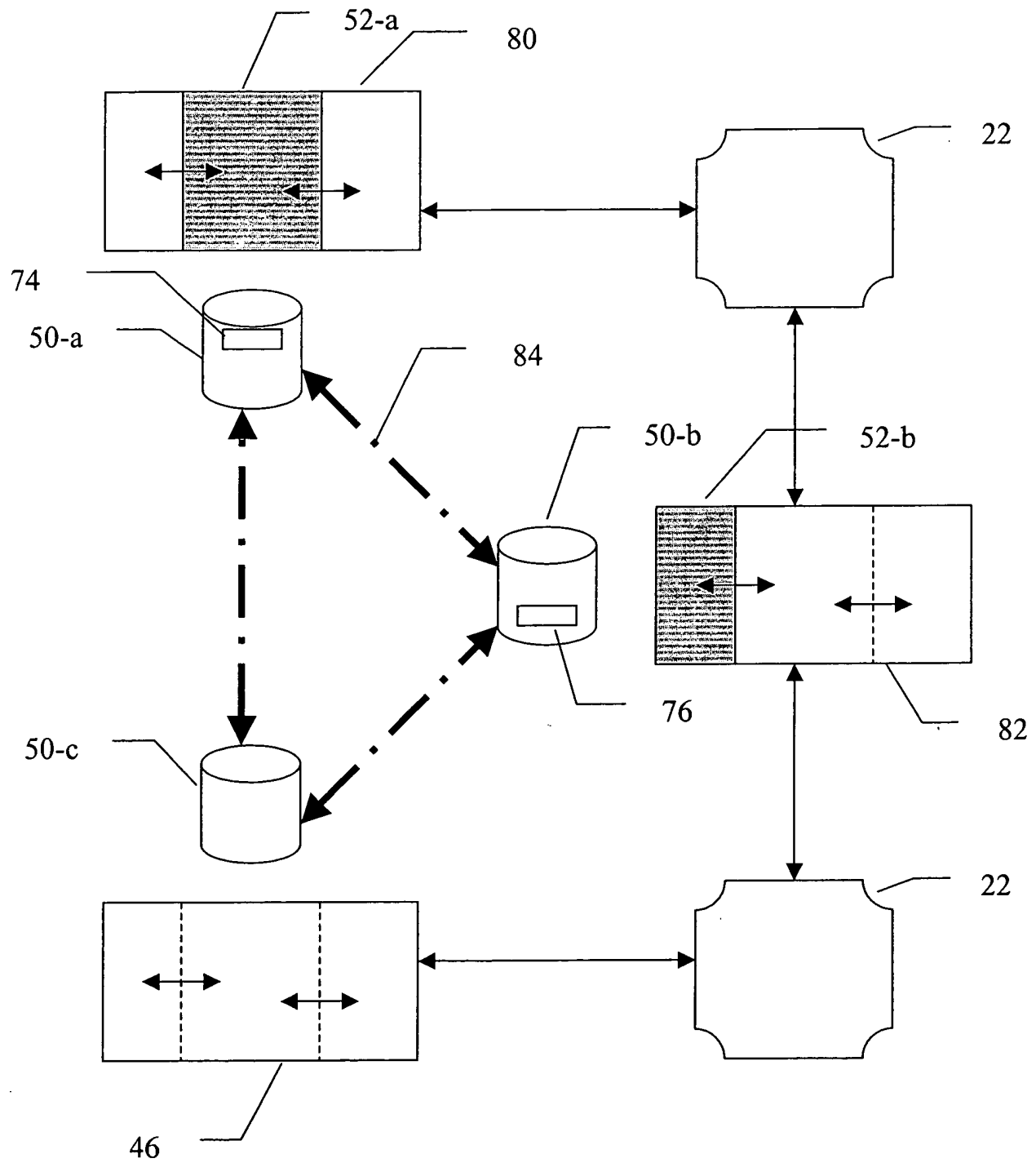


Figure 9

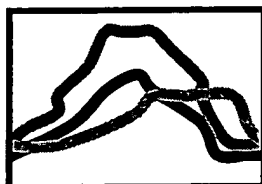
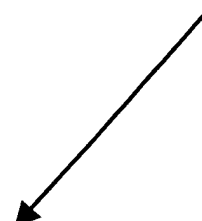
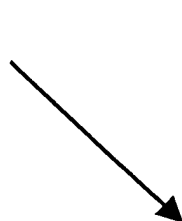
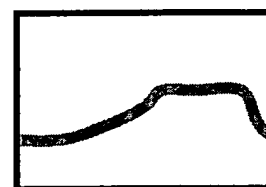
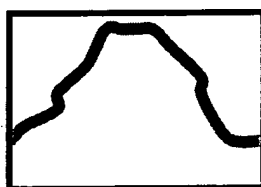
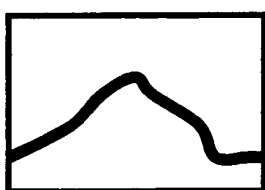
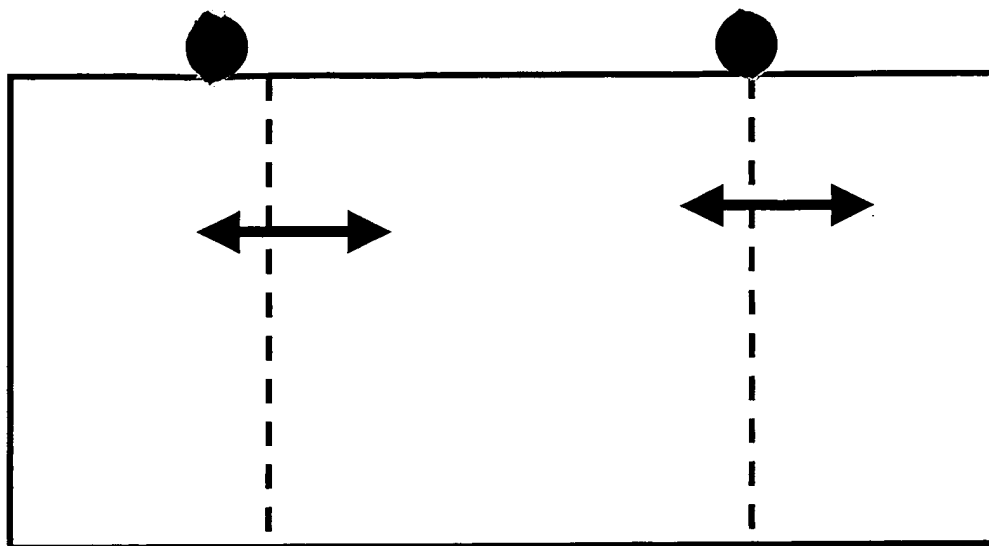
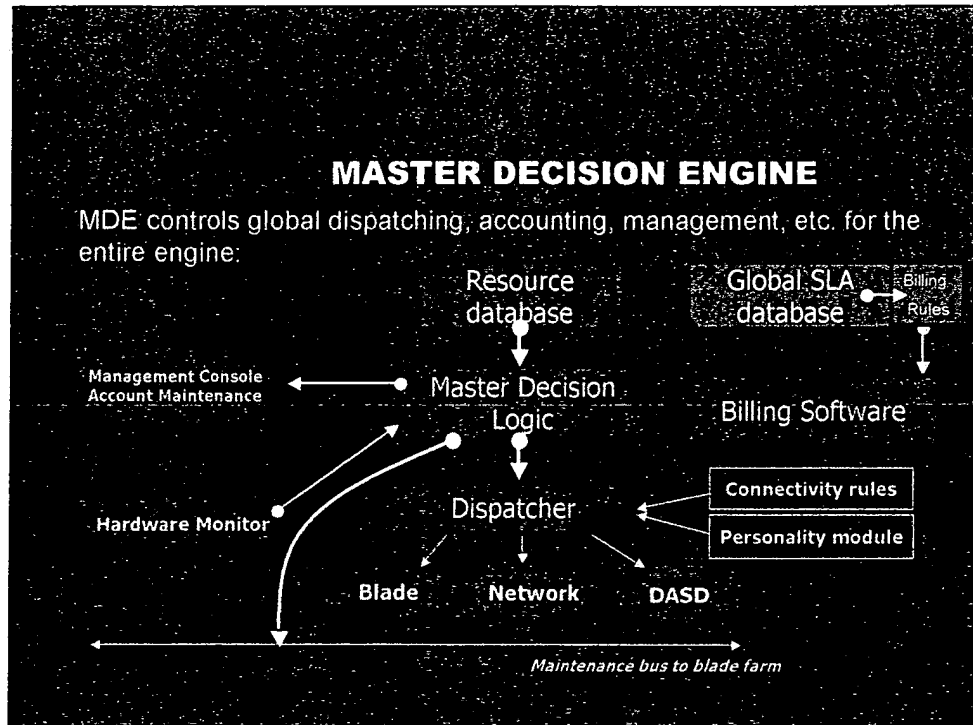


Figure 10

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Figure 11

Add reference #'s



DYNAMIC EXPANSION

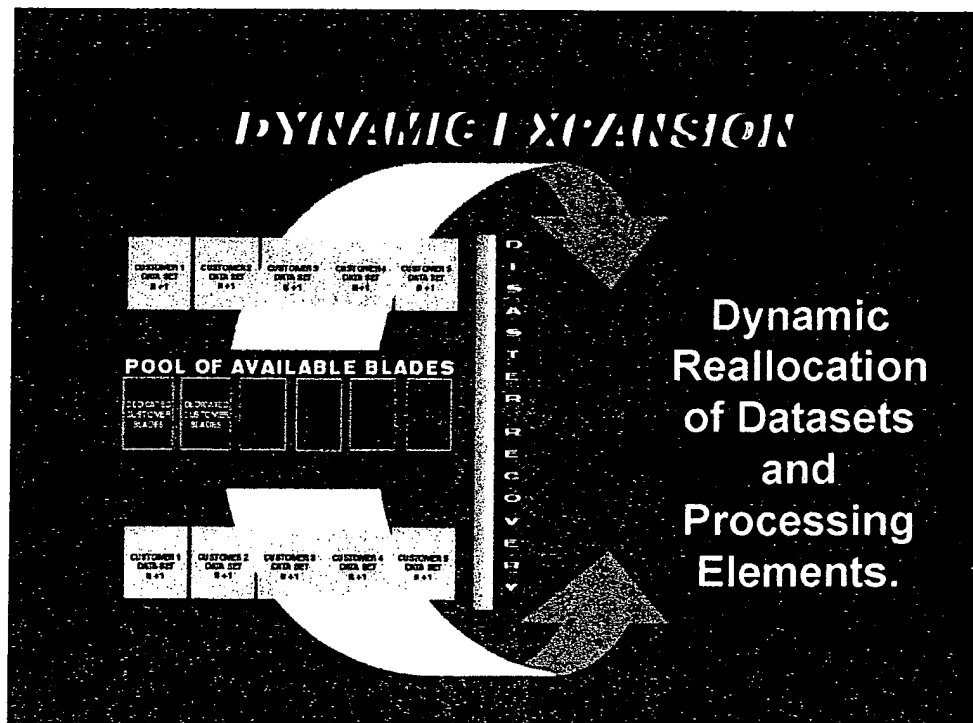


Figure 12

MASTER DECISION SOFTWARE ?

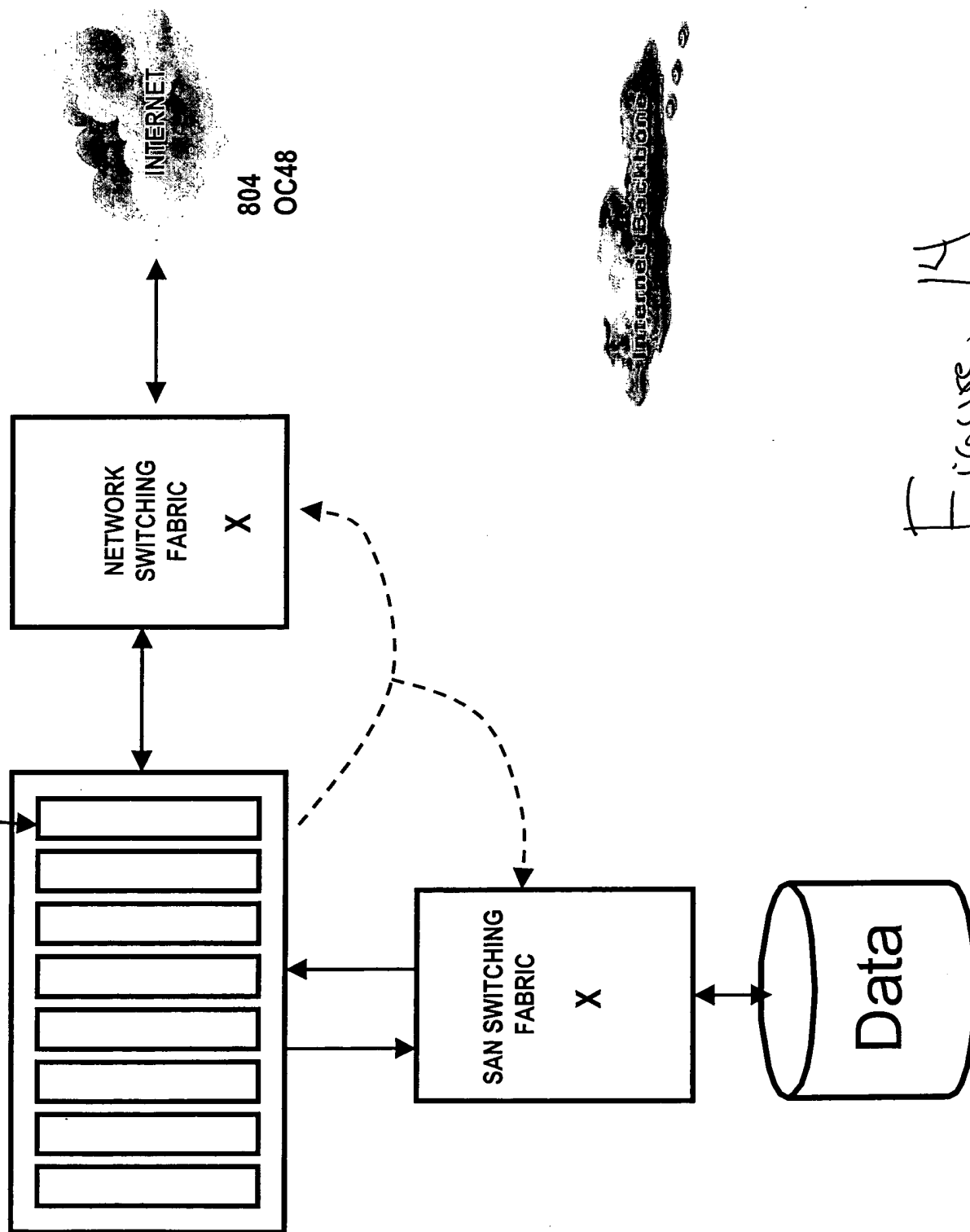


Figure 14

Figure 15

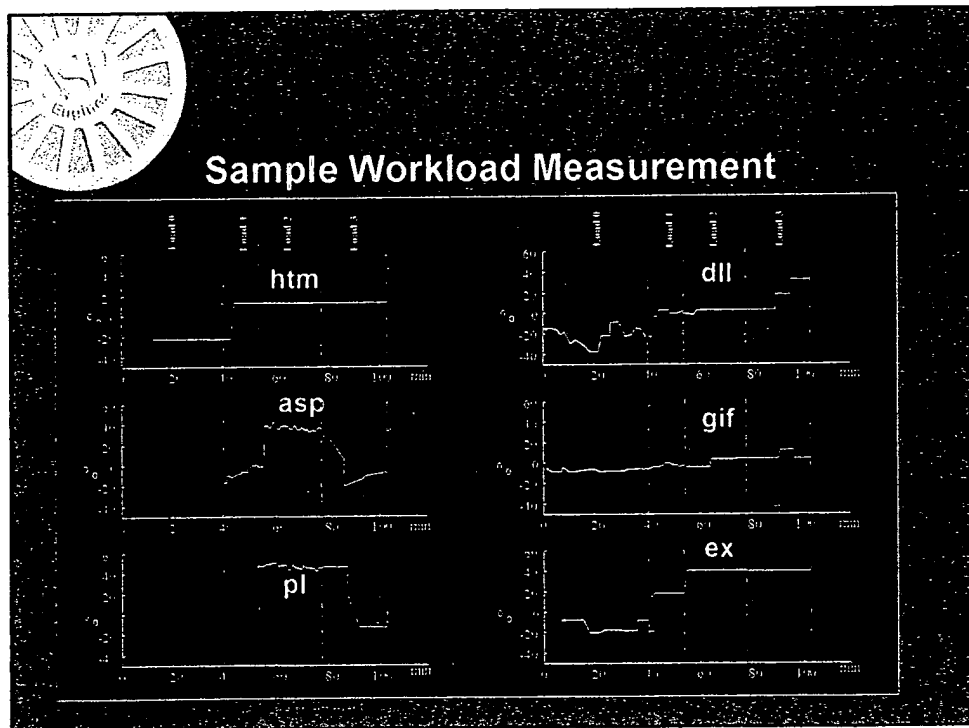
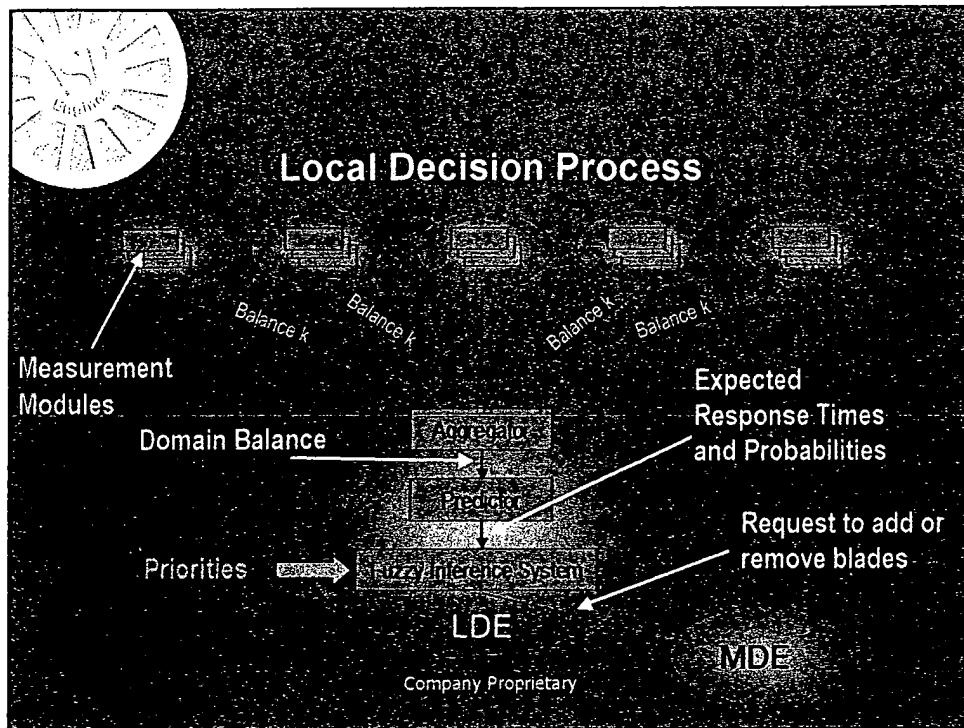


Figure 16

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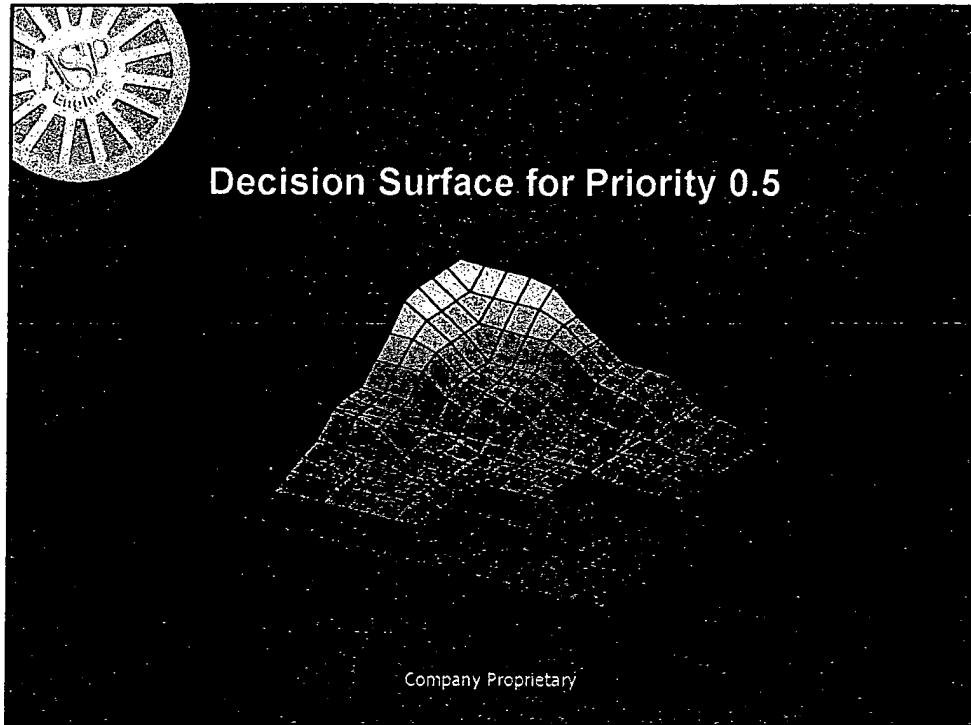


Figure 17